

What is Claimed is:

1. An encrypting keypad module comprising:
a keypad; and
an encryption unit including an interpreter for receiving a file containing data and instructions for processing the data, the encryption unit including means for processing the data in the file by interpreting the instructions in the file.
2. A module according to claim 1, wherein the interpreter is implemented in software.
3. A module according to claim 1, wherein the interpreter is implemented in firmware.
4. A module according to claim 1, wherein the file has a structure comprising tagged commands and data.
5. A module according to claim 1, wherein the encrypting keypad module is a single integrated unit.
6. A terminal comprising:
an encrypting keypad module having an encryption unit including an interpreter for receiving a file containing data and instructions for processing the data, the encryption unit including means for processing the data in the file by interpreting the instructions in the file.

7. A terminal according to claim 6, wherein the file has a structure comprising

8. A self-service terminal comprising:

an encrypting keypad module having an encryption unit including an interpreter for receiving a file containing data and instructions for processing the data, the encryption unit including means for processing the data in the file by interpreting the instructions in the file.

9. A terminal according to claim 8, wherein the file has a structure comprising

10. A point of sale terminal comprising:

an encrypting keypad module having an encryption unit including an interpreter for receiving a file containing data and instructions for processing the data, the encryption unit including means for processing the data in the file by interpreting the instructions in the file.

11. A point of sale terminal according to claim 9, wherein the file has a structure

12. An automated teller machine comprising:
an encrypting keypad module having an encryption unit including an interpreter for receiving a file containing data and instructions for processing the data, the encryption unit including means for processing the data in the file by interpreting the instructions in the file.
13. An automated teller machine according to claim 12, wherein the file has a structure comprising tagged commands and data.
14. A method of encrypting data in an encryption module, the method comprising the steps of:
receiving data to be encrypted and instructions for encrypting the data from a source external to the module;
interpreting the instructions to generate code for implementing the instructions; and
applying the code to a cryptographic processor.